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Bruxelles, Feb. 11th 1994

Contract number : DAJA45 - 93 - 0042

Dear Sir,

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First Interim Report

for the

Contribution to the EUROCAP Program from the DOURBES Iono. Station.

I certify that all information in this report is current and has not been
provided to the US Government in a separate contract.

Sincerely,
Dr. J.-C. Jodogne

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REPORT DOCUMENTATION PAGE			Form Approved OMB No 0704-0188	
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13. ABSTRACT (Maximum 200 words) Vertical soundings were recorded hourly with the Digisonde 256 and the Artist 500 during the above mentioned period. During these three months, the Digisonde 256 worked perfectly and only few hourly records are missing. Interruptions of the recording were mainly due to short mains failures. A software problem delayed the production of the output data due to the fact that we had to interact with Univ. of Massachusetts, Lowell group to solve it.				
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Contribution to the EUROCAP Program from the DOURBES Ionospheric Station

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Institut Royal Météorologique de Belgique

DAJA45 - 93 - C - 0042

1st Interim Report

Augustus 1993 to October 1993

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First Interim Report on EUROCAP Program from DOURBES Station

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The Dourbes Station use a Digisonde 256 with an Automatic Real Time Ionogram Scaler with True Height (from University of Massachusetts, Lowell, Center of Atmospheric Research) in order to provide the scaled parameters of the hourly ionograms (see Final Report for other details on the system). From the recorded data on magnetic tapes, a software program called ADEP (also from University of Lowell, Center of atmospheric Research) allows editing the ionograms and extracting the main parameters which are recorded in Ascii files on 5.25 diskettes AT compatible.

The digital sounder worked very well during this period and all data are of good quality. For some days the output power had to be reduced in order to avoid perturbations on other system. Some short power interruptions occurred during this period. The soundings were resumed as soon as possible.

All the data covering the interim period were sent to Mr F.Gorman, U.S.Army Communications-electronics Command. In addition all data for the period when no contract was effective (Oct 92 to July 93) were also sent to him.

Dr.J.-C. Jodogne

Annex:

(a) No funds remains on the contract at the end of the period covered by the report.

(b) No property were acquired with contract funds during this period